Name **Key**   Date _____

30.2 Practice

Name the arc shown in bold.

1.
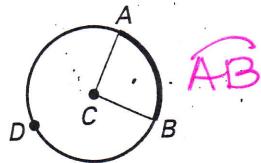
AB

2.
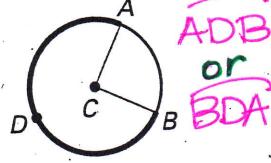
$\overset{\frown}{ADB}$ or $\overset{\frown}{BDA}$

3.
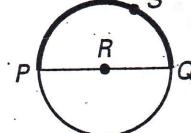
$\overset{\frown}{PSQ}$ or $\overset{\frown}{QSP}$

$\overline{AB}$ and $\overline{FE}$ are diameters of $\odot C$. Determine whether the given arc is a *minor arc, major arc,* or *semicircle.*

4. $\overset{\frown}{AE}$ minor arc   5. $\overset{\frown}{AEB}$ semicircle

6. $\overset{\frown}{FDE}$ semicircle   7. $\overset{\frown}{DFB}$ major arc

8. $\overset{\frown}{FA}$ minor arc   9. $\overset{\frown}{BE}$ minor arc

10. $\overset{\frown}{BDA}$ semicircle   11. $\overset{\frown}{FB}$ minor arc
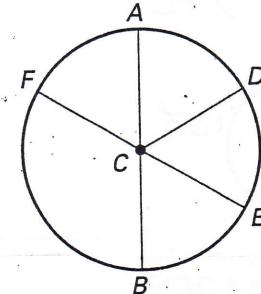
In $\odot O$, $\overline{MQ}$ and $\overline{NR}$ are diameters. Find the indicated measure.

12. $m\overset{\frown}{MN} = 70°$ 13. $m\overset{\frown}{NQ} = 110°$

14. $m\overset{\frown}{NQR} = 180°$ 15. $m\overset{\frown}{MRP} = 210°$

16. $m\overset{\frown}{QR} = 70°$ 17. $m\overset{\frown}{MR} = 110°$

18. $m\overset{\frown}{QMR} = 290°$ 19. $m\overset{\frown}{PQ} = 30°$

20. $m\overset{\frown}{PRN} = 280°$ 21. $m\overset{\frown}{MQN} = 290°$
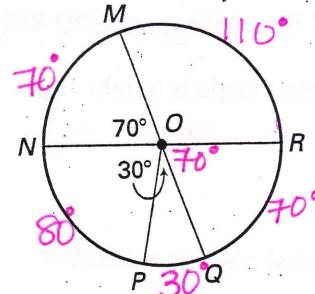
LESSON 6.2 **Practice** continued

Find the indicated arc measure.

22. $m\overarc{AB} = 90°$
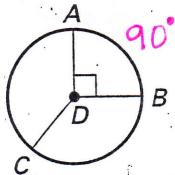
23. $m\overarc{ACB} = 270°$
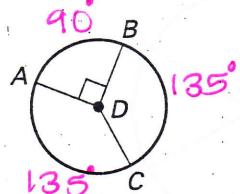
24. $m\overarc{CA} = 120°$
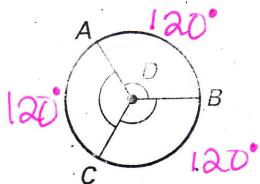
Use the information given about a central angle of a circle to find the measure of its corresponding arc.

25. The central angle is a right angle.

$90°$

26. The central angle is a diameter.

$180°$

27. The central angle is complementary to a 30° angle.

$60°$

28. The central angle is supplementary to a 58° angle.

$$\begin{array}{r} 180 \\ -58 \\ \hline 122° \end{array}$$